

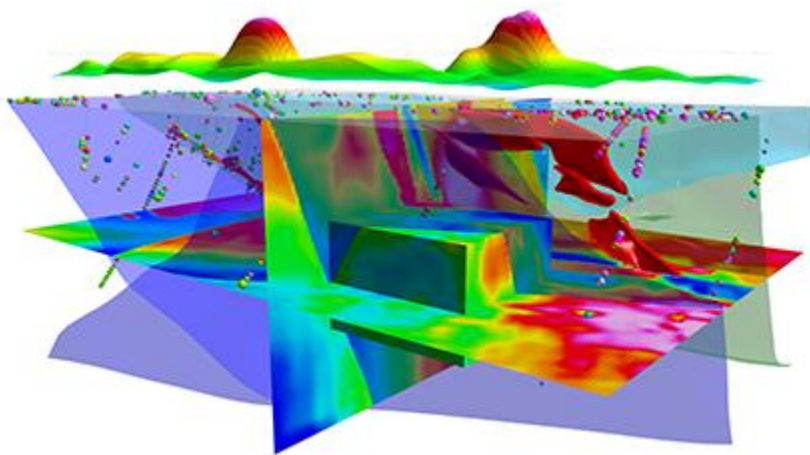


Mira Geoscience
...modelling the earth

GOCAD® Mining Suite - Geoscience Exploration Package

GOCAD Mining Suite is the industry-leading platform for 3D integrated modelling of geological, geophysical, geochemical, structural, and geotechnical data. It specializes in the modelling of challenging environments within the realms of exploration, resource assessment, mine sites, and geotechnical modelling. It is the leader in 3D geological and structural modelling; excelling where drillhole control is minimal or non-existent, as well as in geologically-based 3D geophysical modelling and inversion, complex stratigraphic and fault modelling, geotechnical rock mass modelling and hazard assessment.

Use *all* of your data, *all* of the time



GOCAD Mining Suite is configured into packages specific to the minerals exploration and mining industry. The packages are designed to suit the specific requirements of geologists, geochemists, geophysicists, structural geologists, and geotechnical engineers. They are designed for integrated 3D model-building across all commodity types and geological environments, leveraging the core ability to import, create, and integrate objects of all types in a single environment. It is a true 3D GIS, where both vector objects (points, curves, and surfaces) and raster objects (grids/voxets) can be built, imported, edited, queried, and visualized. This Common Earth Modelling platform allows technicians, geoscientists, engineers, and managers to develop, share, and collaborate on data, information, and models regardless of their respective discipline.

"I've had a chance to use SKUA (Implicit Modelling) on an active project and compare the results with conventional modelling. Generally, I've found most software looks good in the packaging and produces rather underwhelming results – SKUA was completely the opposite, I'm completely gobsmacked with how well it created an extensive, realistic regional model with a few scraps of a priori information."

*-Adam Woolridge, Director
– Xpotential Geoscientific Consulting*

We have a package configured for your needs:

Role	Geoscience Exploration Package	Advanced Interpretation Package	Geotechnical Modelling Package	Integrated Modelling Package	Advanced Geophysics Package	Stratigraphic Modelling Package
Technician	✓					
GIS Technician	✓					
Geomodeller	✓	✓				
Geochemist		✓		✓		
Geologist	✓	✓				✓
Geophysicist					✓	✓
Structural Geologist		✓		✓		✓
Resource Geologist		✓		✓		✓
Geological Engineer			✓			
Geotechnical Engineer			✓			

Geoscience Exploration Package

Users: Geomodellers, GIS Technicians, Geologists

Packaged for those seeking to work in a true 3D GIS environment, building regional, project or deposit scale 3D models. This includes compiling and integrating historical data and regular updating of models with new information from disparate multidisciplinary sources, including drilling, outcrop measurement, surface sampling, physical properties, lithology, geochemistry, assays, structural measurements, and geophysics.

GOCAD 3D Mining Viewer + Foundation Modelling Module

- *Provides the basic viewing camera, selection, querying, interrogating, and navigation of a project and data in 3D space.*
- *Provides visual digitizing and querying of all types of objects in 3D space.*

Multi-Core Support for Foundation Modelling Module

- *Faster processing for voxets and the use of all computer cores to support heavy voxel operations.*

Maps, Cross-Sections, and Well Section Module

- *Maps: Fast, professional, and flexible layouts and style templates.*
- *Cross sections: Includes grid extraction and deviated well tracks (facies, log, image, etc.), solid filling according to rock classifications and markers, print to scale with annotations, 3D fence sections, drillhole pillars for vertical holes, link to 3D camera, style templates.*
- *Well-sections, section from well collars, well tracks and overlay, style templates.*

Mining Utilities Module

- *Extensive import/export filters.*
- *Mining-specific applications and functions e.g. drillhole designer.*

3D-GIS Module

- *Visualize, interpret, and query geometry and properties on drillhole logs including discrete and continuous properties.*
- *Nested and Boolean operations.*
- *Metadata editor.*
- *Tabular information display interactive with 3D visualization.*